

WHAT IS CLAIMED IS:

1. A method of adjusting the focus position of an optical pickup, said method comprising:

5 a first step in which a brightness measuring apparatus including a half mirror and an objective lens focusing on the half mirror and also including a signal processor for finding a highest brightness of a light image entering through the half mirror and the objective lens is disposed to face an optical pickup; and

10 a second step in which the optical pickup is operated to start a focus servo, the positions of semiconductor lasers provided in the optical pickup or relative positions of a multi-lens and a light-receiving element of the optical pickup are changed continuously, the signal processor is operated to find a change  
15 in the highest brightness of a spot light image incident on the half mirror through an objective lens provided in the optical pickup, said positions are fixed once the semiconductor lasers or the multi-lens and light-receiving element have been moved to positions when the highest brightness has become a maximum highest brightness,  
20 thereby effecting an adjustment of the focus position of the optical pickup.

2. The method according to claim 1, further comprising:

a pretreatment in which a standard optical pickup is  
25 controlled so as to focus on the half mirror of the brightness measuring apparatus, relative positions of the objective lens and the half mirror provided in the brightness measuring apparatus

are adjusted so as to obtain a highest brightness of a spot light image incident on the half mirror from the standard optical pickup, thereby rendering the objective lens to focus on the half mirror,

wherein said first step is started after the pretreatment  
5 is performed to render the objective lens of the brightness measuring apparatus to focus on the half mirror.

3. The method according to claim 1 or 2, wherein the multi-lens consists of a focus correction lens formed by combining a  
10 cylindrical lens with a concave lens, and is disposed between the objective lens and a light-receiving element all located in the optical pickup, said light-receiving element being provided for receiving a reflected light returning back through the objective lens and for generating photo-electric-conversion signal for  
15 producing at least RF signal.

4. An apparatus for adjusting the focus position of an optical pickup, said apparatus comprising:

a brightness measuring apparatus including a half mirror  
20 and an objective lens focusing on the half mirror and also including a signal processor for finding a highest brightness of a light image entering through the half mirror and the objective lens,

wherein the optical pickup is operated to start a focus servo, the positions of semiconductor lasers provided in the optical  
25 pickup or relative positions of a multi-lens and a light-receiving element of the optical pickup are changed continuously, the signal processor is operated to find a change in the highest brightness

of a spotlight image incident on the half mirror through an objective lens provided in the optical pickup,

wherein said positions are fixed once the semiconductor lasers or the multi-lens and light-receiving element have been  
5 moved to positions when the highest brightness has become a maximum highest brightness, thereby effecting an adjustment of the focus position of the optical pickup.